SQL commands and methods

- Creating a database
  - CREATE DATABASE databasename;
- Using a database
  - USE databasename;
- Displaying list of tables
  - SHOW TABLES;
- Creating a table
  - CREATE TABLE tablename(attribute1 datatype constraint, attribute2 datatype cons datatype, constraint);
- Describing a table
  - DESCRIBE tablename;
- Adding primary key to a relation
  - ALTER TABLE tablename ADD PRIMARY KEY (attribute)
- Adding foreign key to a relation
  - ALTER TABLE tablename1 ADD FOREIGN KEY(attribute1) REFERENCES tablename2
- Adding unique constraint to an attribute
  - ALTER TABLE tablename ADD UNIQUE (attribute)
- Adding an attribute to a table
  - ALTER TABLE tablename ADD attribute DATATYPE
- Modifying datatype of an attribute
  - ALTER TABLE tablename MODIFY attribute DATATYPE
- Modifying constraint of an attribute

    - ALTER TABLE tablename MODIFY attribute DATATYPE CONSTRAINT
- Adding a default value to an attribute
    - ALTER TABLE tablename MODIFY attribute DATATYPE DEFAULT defaultvalue
- Removing an attribute
    - ALTER TABLE tablename DROP attribute
- Removing primary key from the table
    - ALTER TABLE tablename DROP PRIMARY KEY
- Dropping a table
    - DROP TABLE tablename
- Dropping a database
    - DROP DATABASE databasename
- Inserting values into a table
    - INSERT INTO tablename VALUES (value1, value2, value3)
- Inserting values into specific columns
    - INSERT INTO tablename (column1, column2, column3, ...) VALUES (value1, value2
- Getting selected attributes
    - SELECT attribute FROM tablename
- Renaming of an attribute
    - SELECT attributename1 AS attributename2 FROM tablename
- Selecting distinct clause from an attribute
    - SELECT DISTINCT attribute FROM tablename
- Ordering the table with an attribute
    - SELECT * FROM tablename ORDER BY attribute
- Data updation
    - UPDATE tablename SET attribute1 = value 1, attribute 2 = value2, ... WHERE condit
- Data deletion
    - DELETE FROM tablename WHERE condition